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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|-----------------------------|---------------------|------------------|
| 10/826,579 | 04/16/2004 | Qiuzhen Zou | 010093U1C1 | 1769 |
| 23596 7590 05/19/2008 QUALCOMM INCORPORATED 5775 MOREHOUSE DR. SAN DIEGO, CA 92121 | | | | |
| EXAMINER HARRELL, ROBERT B | | | | |
| ART UNIT 2142 | | PAPER NUMBER | | |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/826,579

Applicant(s)

ZOU ET AL.

Examiner

Robert B. Harrell

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 February 2008 and prior.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-46 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/ISD)
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☒ Other: see attached Restriction
- Paper No(s)/Mail Date: _____

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1. Old claims 1-17 and New claims 18-46 present for consideration.
2. Since a patent may only be granted on an invention (each in the singular), restriction to one of the following inventions is required under 35 U.S.C. 121 (see 37 CFR 1.141):

Group I. Claims 1-17, drawn to an apparatus and system for transferring digital data at a high rate between a host device and a client device over a communication path for presentation to a user

Classified in Class 709, subclass 230.

Group II. Claims 18-26 and 31-46, drawn to a method, apparatus, and computer product for power reduction in a digital data interface communication data link

Classified in Class 710, subclass 108.

Group III. Claims 27-30, drawn to a method of restarting a digital data interface communication data link from a hibernation mode

Classified in Class 370, subclass 507.

3. Inventions I and II are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case, invention of Group I has separate utility such as in an apparatus and system for transferring digital data at a high rate between a host device and a client device over a communication path for presentation to a user not used in a method, apparatus, and computer product for power reduction in a digital data interface communication data link as claimed in Group II.
4. Inventions I and III are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case, invention of Group I has separate utility such as in an apparatus and system for transferring digital data at a high rate between a host device and a client device over a communication path for presentation to a user not used in a method of restarting a digital data interface communication data link from a hibernation mode as claimed in Group III.
5. Inventions II and I are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case, invention of Group II has separate utility such as in a method, apparatus, and computer product for power reduction in a digital data interface communication data link not used in an apparatus and system for transferring digital data at a high rate between a host device and a client device over a communication path for presentation to a user as claimed in Group I.

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6. Inventions II and III are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case, invention of Group II has separate utility such as in a method, apparatus, and computer product for power reduction in a digital data interface communication data link not used in a method of restarting a digital data interface communication data link from a hibernation mode as claimed in Group III.

7. Inventions III and I are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case, invention of Group III has separate utility such as in a method of restarting a digital data interface communication data link from a hibernation mode not used in an apparatus and system for transferring digital data at a high rate between a host device and a client device over a communication path for presentation to a user as claimed in Group I.

8. Inventions III and II are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case, invention of Group III has separate utility such as in a method of restarting a digital data interface communication data link from a hibernation mode not used in a method, apparatus, and computer product for power reduction in a digital data interface communication data link as claimed in Group II.

9. An undue burden would be placed upon examiner since the search each Group would be in classes and subclasses not required for the other Groups.

10. Because these inventions are independently distinct from each other for the reasons given above and because they have acquired a separate status in the art as shown by their different classification and their recognized divergent subject matter and the search for each Group is not required for the other Group, restriction for examination purposes as indicated is proper.

11. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.

12 The applicant is also advised that the response must be submitted to the Office ***within ONE [1] Month*** or 30 days, whichever is longest.

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert B. Harrell whose telephone number is (571) 272-3895. The examiner can normally be reached Monday thru Thursday from 5:30 am to 2:00 pm.

14. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell, can be reached on (571) 272-3868. The fax phone number for all papers is (571) 273-8300.

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15. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-9600.

/Robert B. Harrell/
ROBERT B. HARRELL
PRIMARY EXAMINER
GROUP 2142